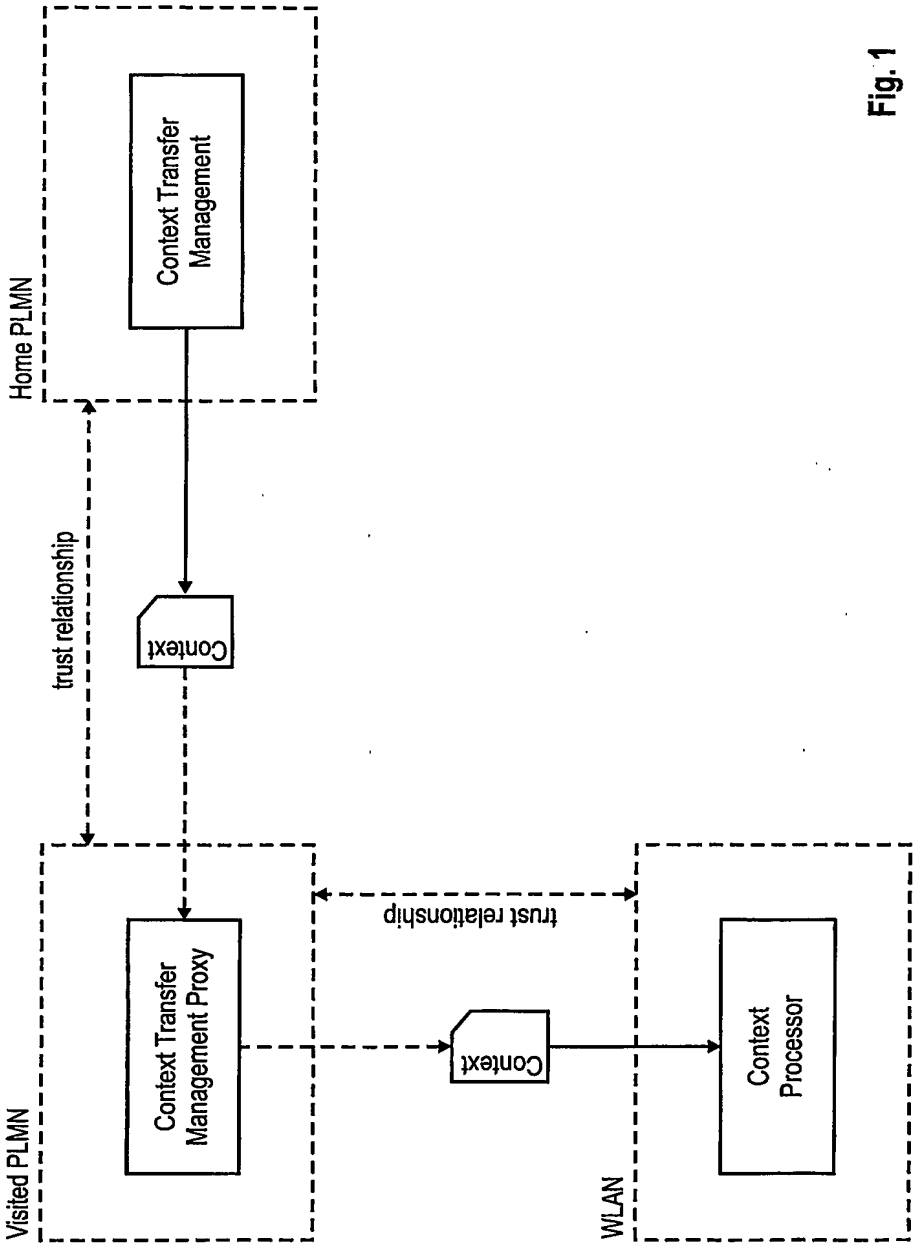
Home PLMN
Context Transfer Management
trust relationship
Context
Visited PLMN
Context Transfer Management Proxy
trust relationship
Context
WLAN
Context Processor

Fig. 1

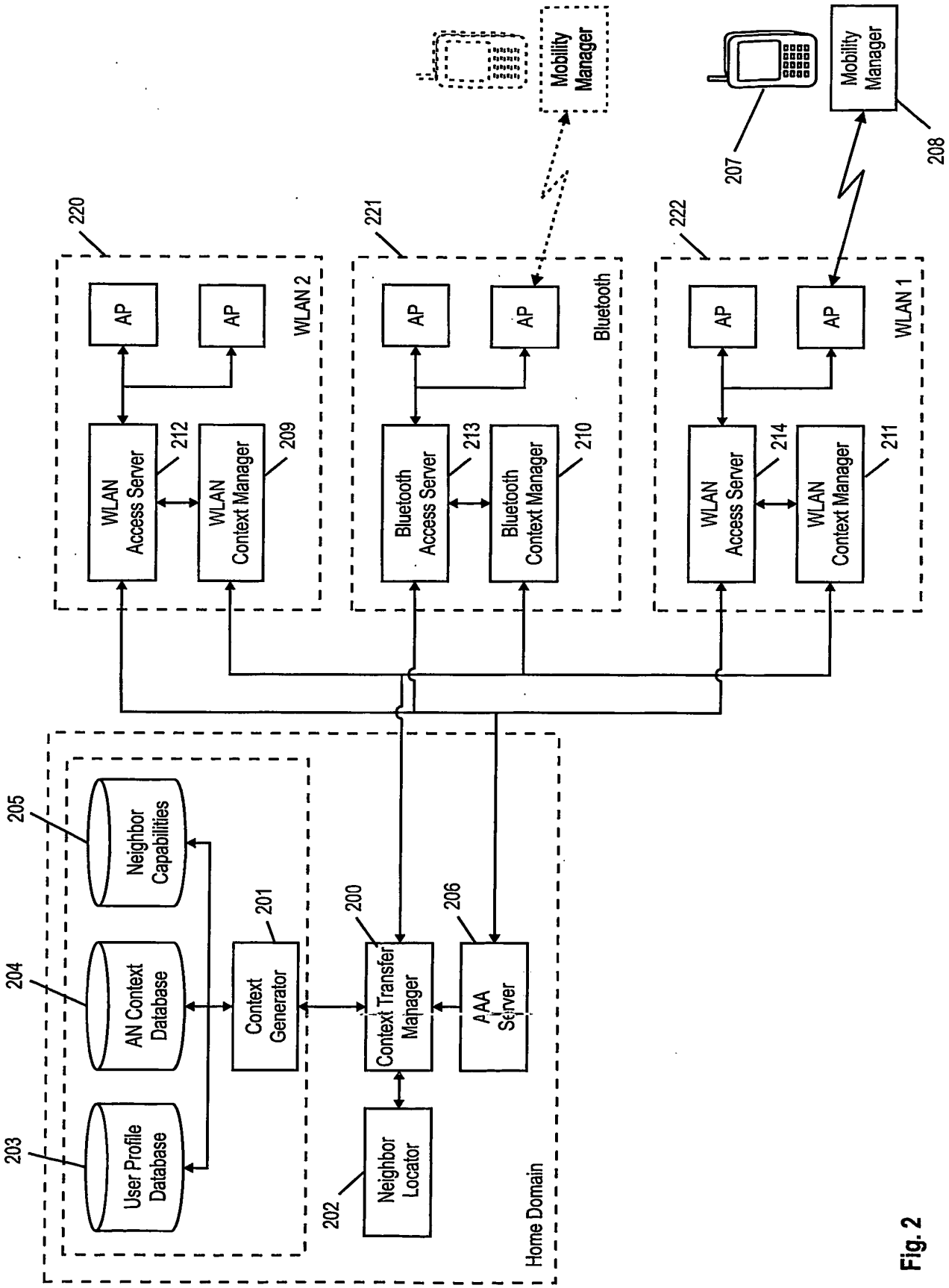
Mobility Manager
Mobility Manager
207
208
220
221
222
AP
AP
AP
AP
AP
AP
WLAN 2
Bluetooth
WLAN 1
WLAN Access Server
WLAN Context Manager
Bluetooth Access Server
Bluetooth Context Manager
WLAN Access Server
WLAN Context Manager
212
209
213
210
214
211
205
Neighbor Capabilities
204
AN Context Database
203
User Profile Database
201
Context Generator
200
Context Transfer Manager
206
AAA Server
202
Neighbor Locator
Home Domain

Fig. 2

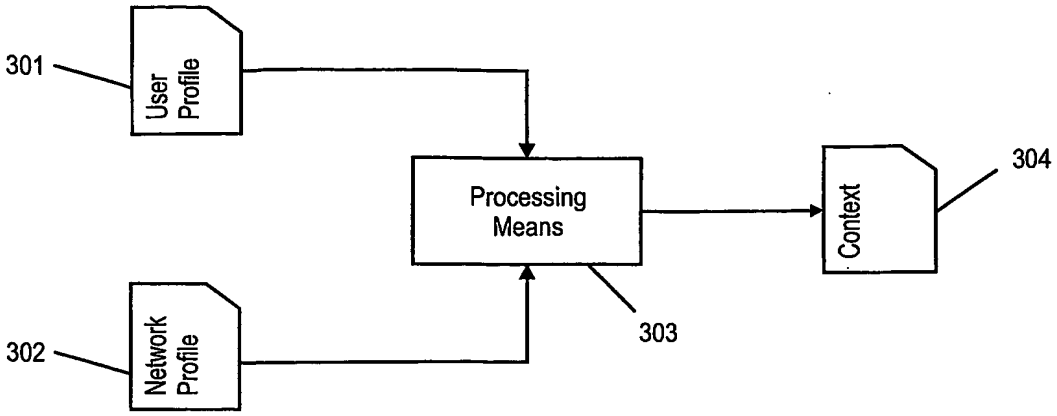
301
User Profile
302
Network Profile
Processing Means
303
Context
304

Fig. 3

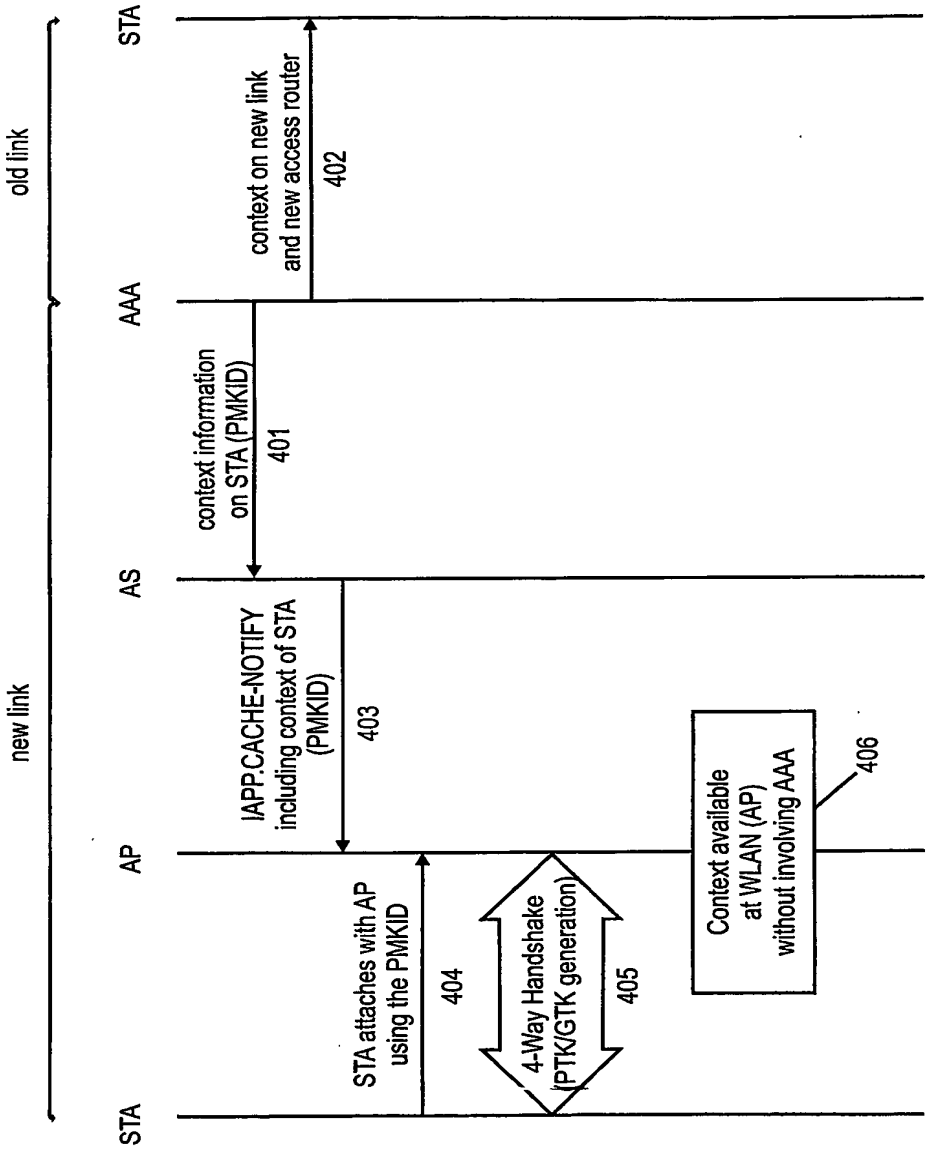
old link
new link
STA
AP
AS
AAA
STA
context on new link and new access router
402
context information on STA (PMKID)
401
IAPP.CACHE-NOTIFY including context of STA (PMKID)
403
STA attaches with AP using the PMKID
404
4-Way Handshake (PTK/GTK generation)
405
Context available at WLAN (AP) without involving AAA
406

Fig. 4

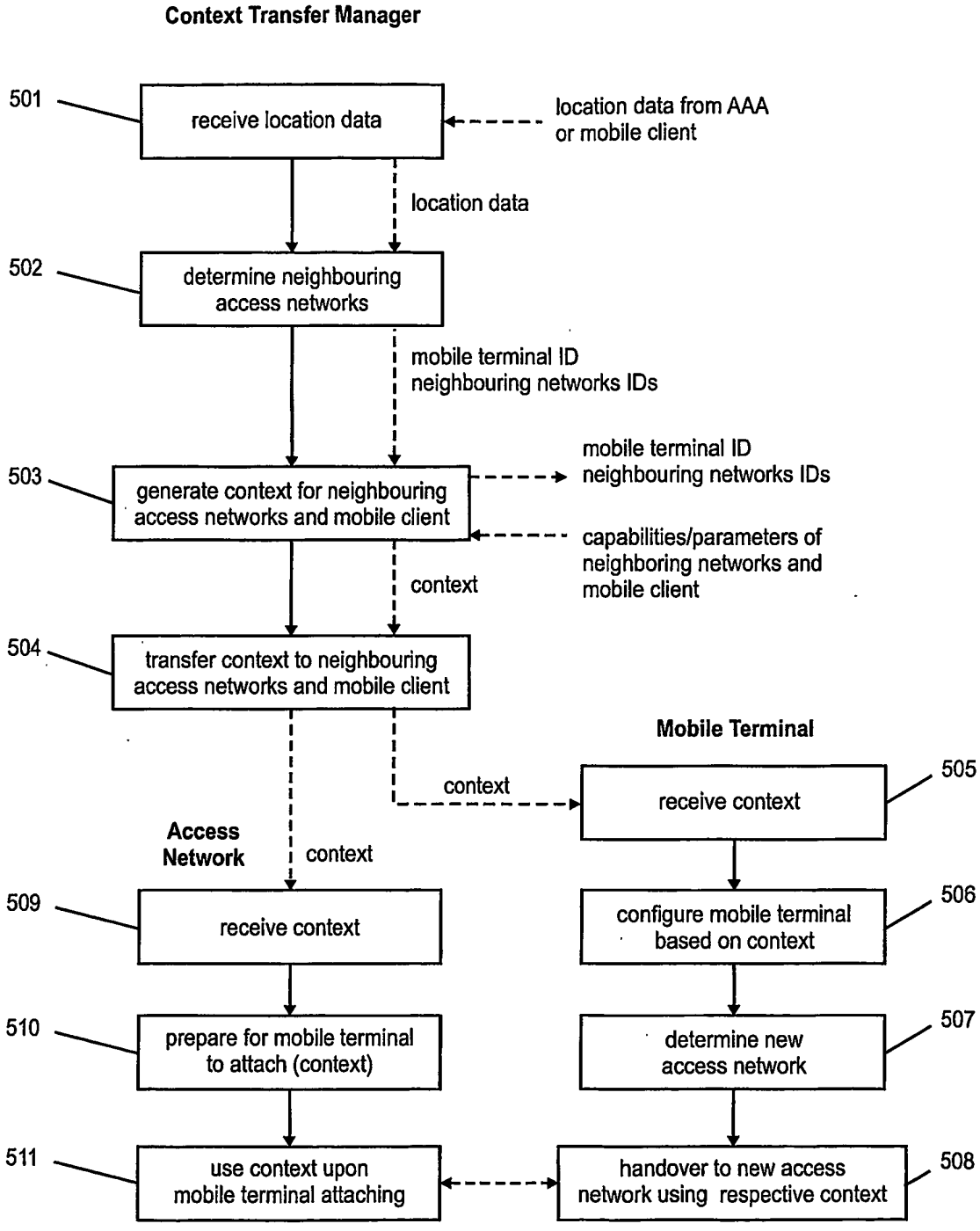
Context Transfer Manager
501
receive location data
location data from AAA or mobile client
location data
502
determine neighbouring access networks
mobile terminal ID
neighbouring networks IDs
503
generate context for neighbouring access networks and mobile client
mobile terminal ID
neighbouring networks IDs
capabilities/parameters of neighboring networks and mobile client
context
504
transfer context to neighbouring access networks and mobile client
Mobile Terminal
context
505
receive context
Access Network
context
509
receive context
506
configure mobile terminal based on context
510
prepare for mobile terminal to attach (context)
507
determine new access network
511
use context upon mobile terminal attaching
508
handover to new access network using respective context

Fig. 5

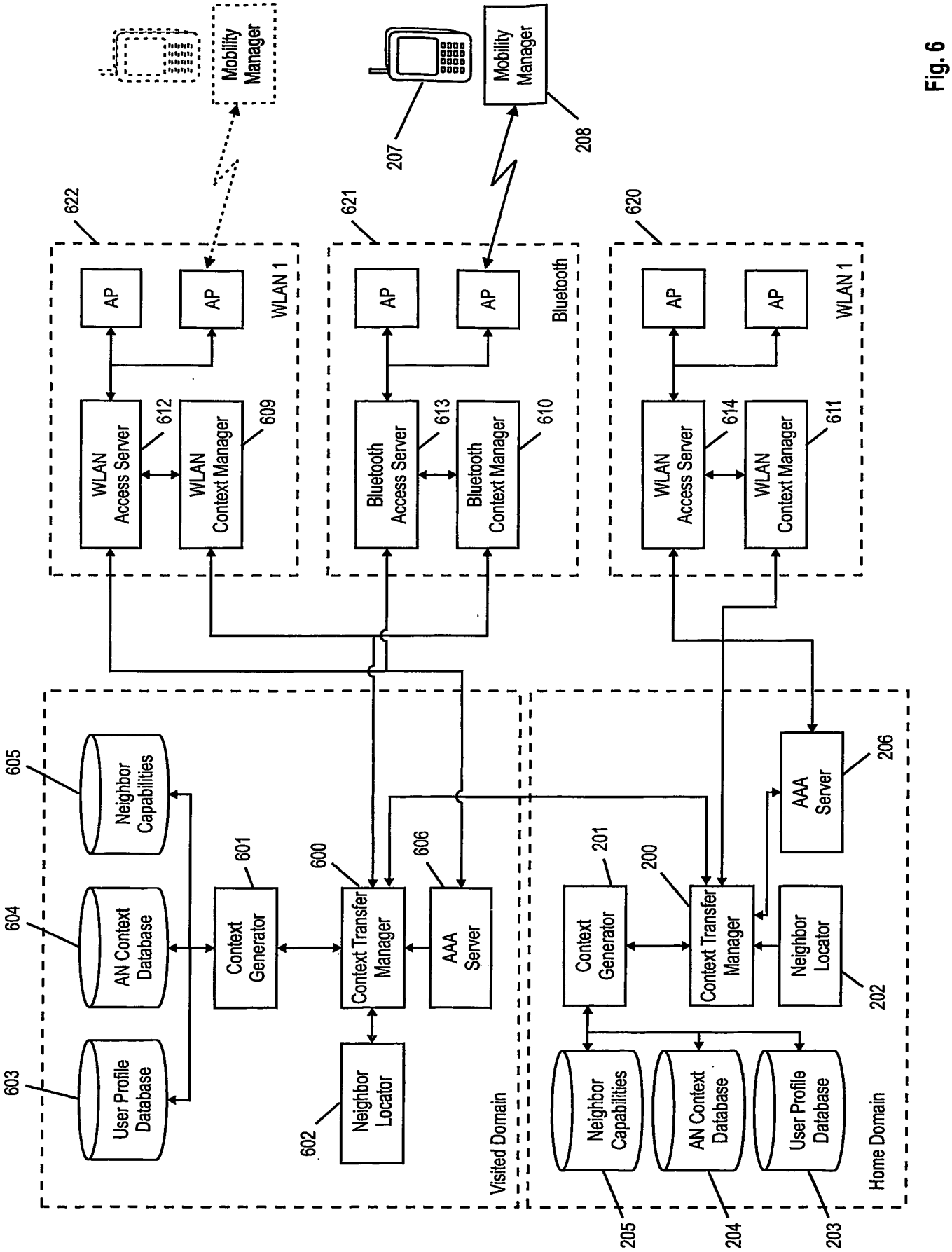
Mobility Manager
207
Mobility Manager
208
622
621
620
AP
AP
WLAN 1
AP
AP
Bluetooth
AP
AP
WLAN 1
WLAN Access Server
612
WLAN Context Manager
609
Bluetooth Access Server
613
Bluetooth Context Manager
610
WLAN Access Server
614
WLAN Context Manager
611
605
Neighbor Capabilities
604
AN Context Database
603
User Profile Database
601
Context Generator
600
Context Transfer Manager
606
AAA Server
602
Neighbor Locator
Visited Domain
201
Context Generator
200
Context Transfer Manager
AAA Server
206
Neighbor Locator
202
Neighbor Capabilities
205
AN Context Database
204
User Profile Database
203
Home Domain

Fig. 6